

# Memorandum



**Date:** March 6, 2007

**To:** Honorable Chairman Bruno A. Barreiro  
and Members, Board of County Commissioners

Agenda Item No. 8(J)(1)(C)

**From:** George M. Burgess  
County Manager

**Subject:** Third Supplemental Retroactive Agreement to the Professional Services Agreement  
Between Metric Engineering, Inc & Miami-Dade County -Contract No. TA00-BWX

The attached retroactive Third Supplemental Agreement to the Non-Exclusive Professional Services Agreement (PSA) between Metric Engineering Inc. and Miami-Dade County has been prepared by Miami-Dade Transit (MDT) and is recommended for approval.

**MODIFICATION No.:** Three

**CONTRACT No.:** TA00-BWX

**PROJECT:** Engineering Services for Busway Extension to Florida City-  
Segment II (from SW 264<sup>th</sup> Street to SW 344<sup>th</sup> Street)

**PROJECT LOCATION:** The Busway Extension to Florida City Segment II, from SW 264<sup>th</sup> Street to SW 344<sup>th</sup> Street. This segment of the Busway will be a continuation of the South Miami-Dade Busway Corridor, which extends from SW 264<sup>th</sup> Street to the southernmost Metrorail Station (Dadeland South).

**PROJECT DESCRIPTION:** Provide engineering services to design and prepare contract documents for the construction of 6.5 miles of roadway including a bicycle path, two small bridges, landscaping, kiss and ride areas and bus stations within the former Florida East Coast Railway Corridor

**FIRM:** Metric Engineering, Inc

**LOCATION OF FIRM:** 13940 SW 136<sup>th</sup> Street, Suite 200  
Miami, Florida 33185

**COMPANY PRINCIPALS:** Victor M. Benitez, P.E., President  
Carlos Duarte, C.P.A. Executive V.P. & Secretary  
Douglass K. Cauley, P.E., Senior Vice-President  
Juan A. Garcia, Treasurer

**GENDER/ETHNICITY:** Male Hispanic

**HOW LONG IN BUSINESS:** 30 years

**ART IN PUBLIC PLACES:** Not Applicable

**MINIMUM QUALIFICATIONS  
EXCEED LEGAL REQUIREMENTS:** No

**PREVIOUS AGREEMENTS  
WITH COUNTY:**  
1- Public Works Department-\$500,000  
2- Department of Environmental Resource Management-  
\$2,500,000

**PREVIOUS MODIFICATIONS:** Two

**MODIFICATION No. 1:** \$603,870.99 (First Supplemental Agreement approved by the Board on March 11, 2003, via Resolution No. R-212-03). Additional Busway Design, Utility Exploration, Homestead Shelters, Public Involvement and Reduction in Allowance Account.

**MODIFICATION No. 2:** \$2,010,696.83 (Second Supplemental Agreement approved by the Board on October 5, 2004, via Resolution No. R-1242-04). Design revisions due to arsenic contamination, Incorporation of Accessible Pedestrian Signals, Post Design Services and a 365 day time extension.

**ORIGINAL AGREEMENT  
AMOUNT:**

<b>Base Agreement:</b>	<b>\$ 2,043,239.70</b>
Supp. Agreement #1	\$ 603,870.99
Supp. Agreement #2	<u>\$ 2,010.696.83</u>
<b>Total Contract Value</b>	<b>\$ 4,657,807.52</b>

**AMOUNT OF RECOMMENDED  
MODIFICATION:** \$256,686.35

**REVISED AGREEMENT  
AMOUNT:** \$4,914,493.87

**PERCENTAGE THIS CHANGE:** 5.2%

**ORIGINAL CONTRACT  
COMPLETION DATE:** May 01, 2007

**REVISED CONTRACT  
COMPLETION DATE:** May 1, 2008 (Time extension of 365 days)

**DBE GOAL:** 20% DBE Goal

**FUNDING SOURCE:** Federal Transit Administration (FTA)-78%  
Florida Department of Transportation-22%

**INSPECTOR GENERAL (IG):** Provisions included

**JUSTIFICATION:** The Supplemental Agreement is necessary to provide additional compensation for County requested work and for design services during construction. As a result of further analysis of the Segment I safety features study and to provide uniform Busway operations along the entire corridor, MDT recommended the modification of stop controlled intersections to traffic signal control. In addition, a public petition from the concerned citizens of Florida City for additional bus stations at SW 328<sup>th</sup> Street was submitted to MDT. After careful review of the public need for additional bus stations at this location along the Busway, the decision was made to approve the request from Florida City in order to better service the community in this area. These additional tasks are further described in items (a) thru (d).

**Task (a)**

Revision of Segment II plans by replacing the following stop controlled intersections with new signalized traffic lights and to incorporate them into the Contract Plan set, as they have been approved by Miami-Dade County Public Works Department: SW 324<sup>th</sup> Street, SW 157 Avenue, and SW 272 Street. Other modifications include revising the intersection geometry, signing and pavement marking plans and quantities.

**Additional Cost.....\$62,555.19**

**Task (b)**

Revision of Segment II plans by replacing the following stop controlled intersections with new signalized traffic lights and to incorporate them into the Contract Plan set once they have been approved by Miami-Dade County Public Woks and/or the Florida Department of Transportation: SW 344<sup>th</sup> Street, SW 336<sup>th</sup> Street and SW 328<sup>th</sup> Street. Once approved they will be incorporated into the Contract Plan set. Other modifications include revising the intersection geometry, signing and pavement markings plans and quantities.

**Additional Cost.....\$82,051.65**

**Task (c)**

Revise and update the Segment I signalization plans from existing stop controlled intersections to traffic signal control and to incorporate into the Contract Plan set, as they have been approved by Miami Dade County and/or the Florida Department of Transportation. The intersections are: SW 252<sup>nd</sup> Street, SW 260<sup>th</sup> Street and SW 264<sup>th</sup> Street.

**Additional Cost.....\$10,946.51**

**Task (d)**

The design of two bus stations at the south side of SW 328 Street and the corresponding revisions to the roadway, structural, drainage, signing and pavement markings, lighting, landscaping, architectural, and signalizations plans during construction up until the completion of the project.

**Additional Cost.....\$101,133.00**

**Grand Total Tasks (a) thru (d).....\$256,686.35**

MDT further recommends approval of this Supplemental Agreement to extend the contract completion date from May 1, 2007 to May 1, 2008. The additional 365 days will allow the consultant to continue with post-design services during construction and with contract closeout activities after completion of the Busway project. Completion of the Busway Segment II is currently scheduled for September 2007.

**USING AGENCY:**

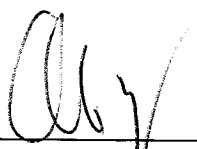
Miami-Dade Transit

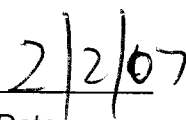
**MANAGING AGENCY:**

Miami-Dade Transit

**ALLOWANCE/CONTINGENCY  
ORDINANCE No. 00-65:**

\$0 (No additional monies being added)

  
\_\_\_\_\_  
Assistant County Manager

  
\_\_\_\_\_  
Date

c/



# MEMORANDUM

(Revised)

**TO:** Honorable Chairman Bruno A. Barreiro  
and Members, Board of County Commissioners

**DATE:** March 6, 2007

**FROM:** Murray A. Greenberg  
County Attorney

**SUBJECT:** Agenda Item No. 8(J)(1)(C)

Please note any items checked.

- ☐ "4-Day Rule" ("3-Day Rule" for committees) applicable if raised
- ☐ 6 weeks required between first reading and public hearing
- ☐ 4 weeks notification to municipal officials required prior to public hearing
- ☐ Decreases revenues or increases expenditures without balancing budget
- ☐ Budget required
- ☐ Statement of fiscal impact required
- ☐ Bid waiver requiring County Manager's written recommendation
- ☐ Ordinance creating a new board requires detailed County Manager's report for public hearing
- ☐ Housekeeping item (no policy decision required)
- ☐ No committee review

Approved \_\_\_\_\_ Mayor  
Veto \_\_\_\_\_  
Override \_\_\_\_\_

Agenda Item No. 8(J)(1)(C)  
03-06-07

RESOLUTION No. \_\_\_\_\_

RESOLUTION AUTHORIZING EXECUTION OF THE  
RETROACTIVE THIRD SUPPLEMENTAL AGREEMENT TO  
THE PROFESSIONAL SERVICES AGREEMENT BETWEEN  
MIAMI-DADE COUNTY AND METRIC ENGINEERING, INC.  
IN THE AMOUNT OF \$256,686.35 TO PROVIDE  
ADDITIONAL ENGINEERING DESIGN SERVICES FOR THE  
BUSWAY EXTENSION TO FLORIDA CITY- SEGMENT II,  
CONTRACT NO. TA00-BWX

**WHEREAS**, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA**, that this Board approves the execution of the retroactive Third Supplemental Agreement to the Professional Services Agreement between Miami-Dade County and Metric Engineering, Inc., in the amount of \$256,686.35, to provide design services for additional County requested work, provide design services for additional Busway stations and to extend the time necessary to close out the construction contract for the Busway Extension to Florida City-Segment II, in substantially the form attached hereto and made a part hereof; and authorizes the County Mayor or his designee to execute same for and on behalf of Miami-Dade County.

The foregoing resolution was offered by Commissioner \_\_\_\_\_, who moved its adoption. The motion was seconded by Commissioner \_\_\_\_\_ and upon being put to a vote, the vote was as follows:

Bruno A. Barreiro, Chairman	
Barbara J. Jordan, Vice-Chairwoman	
Jose "Pepe" Diaz	Audrey M. Edmonson
Carlos A. Gimenez	Sally A. Heyman
Joe A. Martinez	Dennis C. Moss
Dorrin D. Rolle	Natacha Seijas
Katy Sorenson	Rebeca Sosa
Sen. Javier D. Souto	

The Chairperson thereupon declared the resolution duly passed and adopted this 6<sup>th</sup> day of March, 2007. This resolution shall become effective ten (10) days after the date of its adoption unless vetoed by the Mayor, and if vetoed, shall become effective only upon an override by this Board.

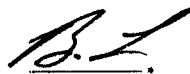
MIAMI-DADE COUNTY, FLORIDA  
BY ITS BOARD OF  
COUNTY COMMISSIONERS

HARVEY RUVIN, CLERK

By: \_\_\_\_\_  
Deputy Clerk

Approved by County Attorney as  
to form and legal sufficiency.

Bruce Libhaber



MIAMI-DADE COUNTY  
RECOMMENDATION TO AMEND  
PROFESSIONAL SERVICE AGREEMENT

Date: September 6, 2006

Thru: Office of Strategic Business Management (OSBM)  
To: County Manager

**Project Name:** Engineering Services for the Busway Extension to Florida City-Segment II  
(From SW 264<sup>th</sup> Street to SW 344<sup>th</sup> Street)

**Project Number:** TA00-BWX

**Project Location:** Busway from SW 264th Street to SW 344<sup>th</sup> Street

**Cost Estimate:** \$ 256,744.78

**Original Agreement Amount:** \$ 2,043,239.70

**Total Prior Amendments:** \$ 2,614,567.82

**Recommended Amount of Amendment:** \$ 256,686.35

**Amended Agreement Amount:** \$ 4,914,493.87

**Original Agreement Period:** 1,825 calendar days

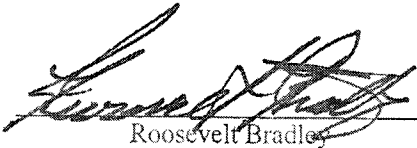
**Total Prior Amended Period :** 365 calendar days

**Recommended Amended Agreement Period:** 365 calendar days

**Total Amendment Agreement Periods:** 2,555 calendar days

**Explanation:** (Full description of project details and explanation of amendments/modifications)

SEE EXHIBIT "A"

Signature: 

Roosevelt Bradley

Title:

Director

Department:

Miami-Dade Transit

FUNDS BUDGETED

BUDGET DEPARTMENT CERTIFICATION  
FUNDS AVAILABLE

Code: MTBUSICT0005

Code: \_\_\_\_\_

By: 

By: 

Date: 6/07/06

Date: 1-30-07

\* Funds, 06 GRP OF \$1,893,000 TO  
BE COVERED BY A TRANSFER FROM  
OPERATIONAL BUDGET IN FY 07-08  
WITH OPERATIONAL GRP TAX FY 07-08.



“EXHIBIT A”

MIAMI-DADE TRANSIT

PROJECT AND AMENDMENT DESCRIPTION

SUPPLEMENTAL AGREEMENT

PROJECT NAME: ENGINEERING SERVICES FOR THE BUSWAY EXTENSION  
TO FLORIDA CITY SEGMENT II

CONTRACT NUMBER: TA00-BWX

PROJECT DESCRIPTION:

Engineering services requested include the design and preparation of a complete set of contract documents to be bid for the construction of six and one half (6.5) miles of roadway including a bicycle path, two small bridges, landscaping, Kiss and Ride lots and Bus Stations within the former Florida East Coast Railway Corridor.

AMENDMENT DESCRIPTION:

Design revisions to Segments I and II to replace stop controlled intersections at SW 344<sup>th</sup> Street, SW 336<sup>th</sup> Street, SW 328<sup>th</sup> Street, SW 324<sup>th</sup> Street, SW 157<sup>th</sup> Avenue, SW 272<sup>nd</sup> Street, SW 264<sup>th</sup> Street, SW 260<sup>th</sup> Street and SW 254<sup>th</sup> Street with signalized traffic lights and to incorporate them into the contract plans.

Final Design Services for additional Busway Stations at the south side of SW 328<sup>th</sup> Street as requested by Florida City; and Design services during construction for these stations.

Revise the contract completion date from May 1, 2007 to May 1, 2008, an increase of 365 days.

All work to be performed as specified in the Contract Documents.

A 20% Disadvantaged Business Enterprises (DBE) goal has been established and approved by the Department of Business Development (DBD) for this project.

The Director of Miami-Dade Transit shall be the Contracting Officer.

STRATEGIC AREA: Transportation  
DEPARTMENT: Transit

\*\*\*\*\* FUNDED PROJECTS \*\*\*\*\*  
(\$ IN 000'S)

**SOUTH MIAMI-DADE BUSWAY EXTENSION - PHASE II**

PROJECT # 6735281

DESCRIPTION: Construct Phase II of the South Miami-Dade Busway project, which will continue south from the existing busway terminus in Cutler Ridge to Florida City

LOCATION: South Miami-Dade County  
Countywide

DISTRICT LOCATED: 7, 8, 9  
DISTRICT(S) SERVED: Countywide

ESTIMATED ANNUAL OPERATING IMPACT: \$1,670

REVENUE SCHEDULE:	PRIOR	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	FUTURE	TOTAL
FTA Section 5309 Discretionary Grant	81,174	0	0	0	0	0	0	0	81,174
FDOT Funds	25,478	0	0	0	0	0	0	0	25,478

TOTAL REVENUE: 106,652 0 0 1193 0 0 0 0 106,652

EXPENDITURE SCHEDULE:	PRIOR	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	FUTURE	TOTAL
Land/Bldg. Acquisition	21,347	2,706	0	0	0	0	0	0	24,053
Planning/Design	6,247	641	0	0	0	0	0	0	6,888
Construction	30,260	27,138	13,703	0	0	0	0	0	71,101
Other	2,943	863	804	0	0	0	0	0	4,610

TOTAL PROJECTED COST: 60,797 31,348 14,507 0 0 0 0 0 106,652

DONATION SCHEDULE:	PRIOR	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	FUTURE	TOTAL
FDOT Toll Revenue Credits	20,294	0	0	0	0	0	0	0	20,294

TOTAL DONATION: 20,294 0 0 0 0 0 0 0 0 20,294

Mass Transit Projects

**BUS PULL-OUT BAYS**

PROJECT # 6710530

DESCRIPTION: Construct bus pull-out bays countywide to enhance traffic flow, reduce accident incidents, and improve bus passenger safety, and ease of boarding and disembarking

LOCATION: Countywide  
Countywide

ESTIMATED ANNUAL OPERATING IMPACT: Minimal

DISTRICT LOCATED: Countywide  
DISTRICT(S) SERVED: Countywide

REVENUE SCHEDULE:	PRIOR	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	FUTURE	TOTAL
FDOT Funds	1,072	1,543	1,385	800	0	0	0	0	4,800
Sunshine State Financing	1,072	0	0	0	0	0	0	0	1,072
Charter County Transit System Surtax	0	1,543	1,385	800	0	0	0	0	3,728

TOTAL REVENUE: 2,144 3,086 2,770 1,600 0 0 0 0 0 9,600

EXPENDITURE SCHEDULE:	PRIOR	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	FUTURE	TOTAL
Land/Bldg. Acquisition	0	50	75	75	75	0	0	0	275
Planning/Design	130	150	150	150	150	0	0	0	730
Construction	470	1,000	1,000	2,000	2,000	1,900	0	0	8,370
Project Contingency	0	45	45	45	45	45	0	0	225

TOTAL PROJECTED COST: 600 1,245 1,270 2,270 2,270 1,945 0 0 0 9,600

THIRD SUPPLEMENTAL AGREEMENT TO THE  
PROFESSIONAL SERVICES AGREEMENT BETWEEN  
MIAMI-DADE COUNTY FLORIDA AND  
METRIC ENGINEERING, INC.  
TO PROVIDE ENGINEERING SERVICES FOR THE  
BUSWAY EXTENSION TO FLORIDA CITY - SEGMENT II

This Third Supplemental Agreement is made and entered into as of this \_\_\_\_ day of \_\_\_\_\_, 200\_ by and between Miami-Dade County, Florida, a public body, (hereinafter referred to as the COUNTY), and Metric Engineering, Inc. (hereinafter referred to as the CONSULTANT)

W I T N E S S E T H

WHEREAS, the Board of County Commissioners on March 11, 2003 approved the first Supplemental Agreement with Metric Engineering, Inc. to perform additional work not included in the original agreement and for additional effort related to Public Involvement tasks; and

WHEREAS, the Board of County Commissioners on October 19, 2004 approved the Second Supplemental Agreement with Metric Engineering, Inc. to perform design revisions due to unforeseen conditions, perform additional County requested work, to extend the contract completion date by 365 days, and for design services during construction; and

WHEREAS, the parties wish to make certain revisions in the Professional Services Agreement, as provided below

NOW, THEREFORE, the parties hereto do mutually agree to amend the Professional Services Agreement as follows:

**SECTION II - PROFESSIONAL SERVICES**

Revise the scope of work as detailed in the CONSULTANT'S final proposal, dated May 8, 2006 incorporated herein by reference.

These scope revisions include:

- Design revisions to Segments I and II to replace stop controlled intersections at SW 344 Street, SW 336 Street, SW 328 Street, SW 324 Street, SW 157 Avenue, SW 272 Street, SW 264 Street, SW 260 Street and SW 254 Street with signalized traffic lights and to incorporate them into the Contract Plans.

- Final Design Services for additional Busway Stations at the south side of SW 328 Street as requested by Florida City; and Design Services during construction for these stations.

#### SECTION IV - COMPENSATION

Revise the contract amount from \$4,657,807.52 to \$4,914,493.87 an increase of \$256,686.35; as defined by Attachment "E-3".

#### SECTION XV - DURATION OF AGREEMENT

Revise the contract completion date from May 1, 2007 to May 1, 2008, an increase of 365 days.

#### OTHER PROVISIONS

Except as specified herein, all provisions of the Professional Services Agreement shall remain unchanged, including the 20% DBE goal.

IN WITNESS WHEREOF, the parties hereto have executed this Contract Supplemental Agreement on the aforementioned date and year.

(OFFICIAL SEAL)

MIAMI-DADE COUNTY, FLORIDA  
BY ITS BOARD OF COUNTY  
COMMISSIONERS

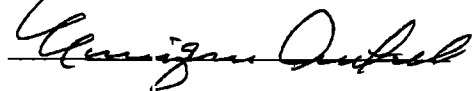
HARVEY RUVIN, CLERK


By: \_\_\_\_\_

By: \_\_\_\_\_  
County Manager

Witnesseth

Metric Engineering, Inc.

  
\_\_\_\_\_

By:  PRESIDENT.  
(Signature of President  
or other authorized  
representative and  
capacity)

  
\_\_\_\_\_

Approved as to form and Legal sufficiency



**Metric Engineering, Inc.**  
**South Dade Busway**  
**ATTACHMENT "E-3"**

May 8, 2006

	A	B	C = (AxB)	D = (A+C) SCHD. B	E = (Dx10%)	F SCHD. A	G SCHD. C	H = (D+E+F+G)
Firms	Direct Labor	Overhead Rate	Burdened Labor	Subtotal Burdened Direct Labor	Fixed Fee 10 % of Burdened Labor	Principals	Reimbursable Expenses	TOTALS
Metric Engineering, Inc.	\$ 1,276,531.09	166.00%	\$ 2,119,041.61	\$ 3,395,572.69	\$ 332,885.17	\$ -	\$ 232,432.44	\$ 3,960,890.30
The Corradino Group	\$ 3,682.77	163.28%	\$ 6,013.23	\$ 9,696.00	\$ 969.60	\$ -	\$ 280.91	\$ 10,946.51
M.G. Vera & Associates, Inc.	N/A	N/A	N/A	\$ 57,705.50				\$ 57,705.50
Allen & Associates, P.A.	\$ 124,491.77	115.04%	\$ 143,215.33	\$ 267,707.10	\$ 26,770.71	\$ 43,450.00	\$ 16,860.63	\$ 354,788.44
MRD Consulting	\$ -	147.97%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Ptolemy Group, Inc.	\$ 19,519.00	100.00%	\$ 19,519.00	\$ 39,038.00	\$ 3,091.39	\$ 5,060.00	\$ 40,683.48	\$ 87,872.87
Tierra, Inc.	\$ 12,564.82	166.00%	\$ 20,857.60	\$ 33,422.42	\$ 3,706.70	\$ -	\$ 66,391.35	\$ 103,520.47
Curtis + Rogers Design Studio, Inc.	\$ 48,633.45	152.28%	\$ 74,059.01	\$ 122,692.46	\$ 12,269.25	\$ -	\$ 8,018.74	\$ 142,980.45
Hammond & Associates	\$ 26,628.18	166.00%	\$ 44,202.77	\$ 70,830.95	\$ 7,083.09	\$ -	\$ 2,363.36	\$ 80,277.40
F. R. Aleman & Associates, Inc.	\$ 10,421.31	166.00%	\$ 17,299.37	\$ 27,720.68	\$ 2,669.31	\$ -	\$ 0.22	\$ 30,390.21
<b>SUBTOTALS</b>	<b>\$ 1,522,472.39</b>		<b>\$ 2,444,207.92</b>	<b>\$ 4,024,385.80</b>	<b>\$ 389,445.22</b>	<b>\$ 48,510.00</b>	<b>\$ 367,031.13</b>	<b>\$ 4,829,372.15</b>
<div> <div>Allowance Account for Unforeseen Changes</div> <div>Allowance Account for Inspector General (IG)</div> <div>Allowance Account for Independent Private-Sector Inspector General (IPSIG)</div> </div>								
<div> <div>\$ 83,662.00</div> <div>\$ 1,459.72</div> <div>\$ -</div> </div>								
<b>TOTAL</b>	<b>\$ 4,914,493.87</b>							

Revisions to the allocation shown on Attachment E are permissible, subject to approval by the Director or his authorized representative.